



**Monodraught** are the recognised market leaders in ultra-low carbon, low energy solutions for Natural Ventilation, Natural Cooling and Natural Lighting.

**WINDCATCHER**<sup>®</sup>, **SUNPIPE**<sup>®</sup> and **COOL-PHASE**<sup>®</sup> brands are synonymous with quality and innovation (ISO9001 & 14001) and are supported by our market leading design service.

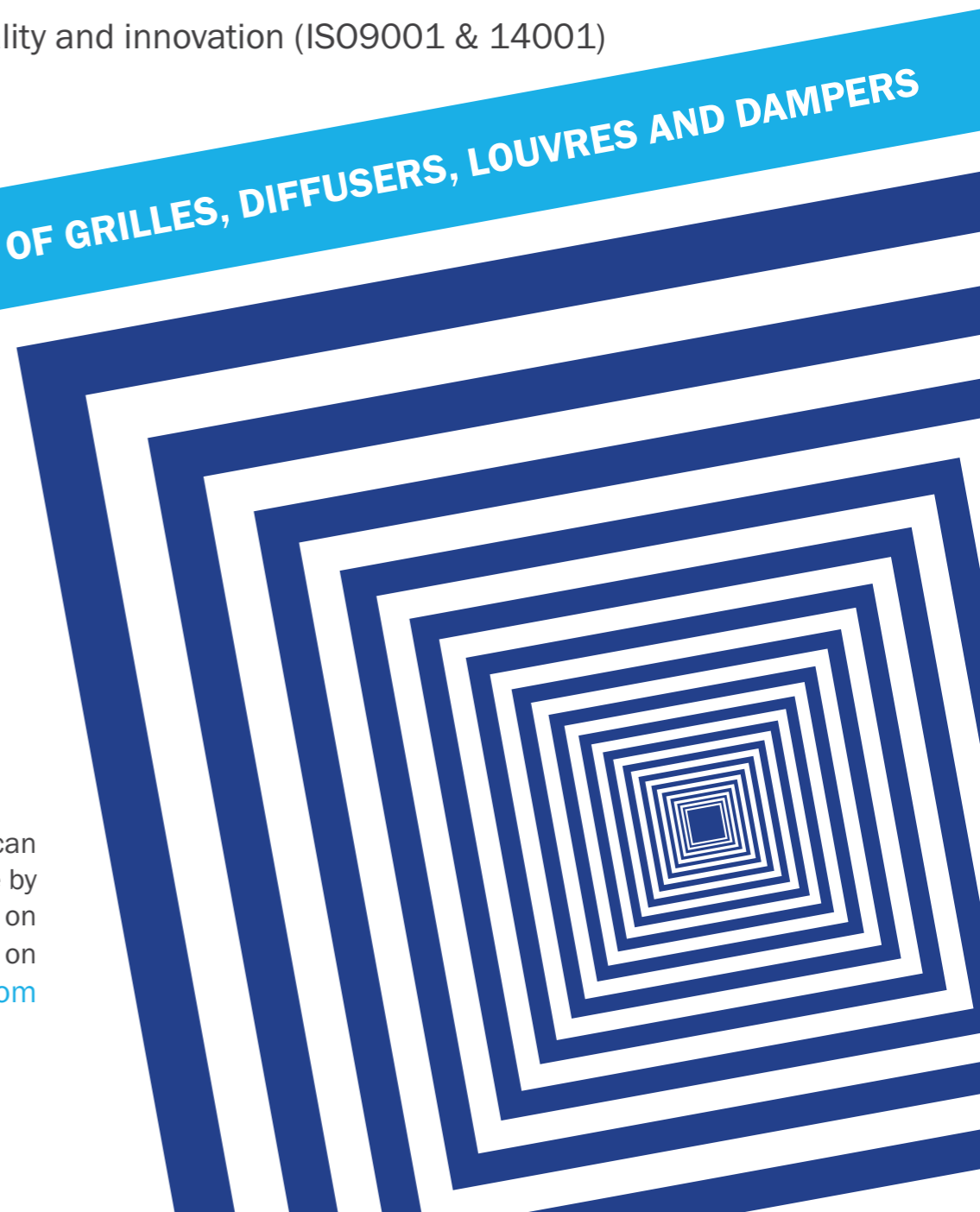
**Air-Precision** is an addition to Monodraught's portfolio including grilles, diffusers, external louvres and volume control dampers.

**PRODUCT RANGE OF GRILLES, DIFFUSERS, LOUVRES AND DAMPERS**

#### We are supporting this range with:

- £1 million of fast moving stock
- Bespoke manufacture with any standard RAL colour within 5 days
- 15 dedicated selection experts
- Designed with industry leading software
- Belimo actuators used throughout
- AA5 anodisation (ISO7599) utilised
- Market leading quality fully supported by a **10 year guarantee**

We are confident that we can beat any quotation you have by 10% so please contact us on **01494897700** or email us on [air-precision@monodraught.com](mailto:air-precision@monodraught.com)



# Laminar Flow Panel Grilles - LFP



Laminar flow panels are simple but effective units, commonly used in areas like operating theatres and clean rooms where a region of clean air needs to be created, without pulling in surrounding air as is normally required from diffusers.

Most commonly ordered in tile replacer sizes, LFP's are designed to integrate with lay-in type ceiling systems, enabling large banks to be created with units positioned next to each other.

Plenum boxes are top entry, 100 mm deep, internally painted black and supplied with a spigot to suit 300 mm diameter ducting as standard. Side entry boxes and different spigot diameters are optional, as are spigot mounted volume control dampers.

## Materials:

- Standard: Galvanised steel perforated core - 3 mm holes, staggered 5 mm pitch. Galvanised steel plenum box.
- Optional: Extruded aluminium frame.

## Fixings:

- DR: Drop rod brackets fitted
- FH: Countersunk fixing holes (screws supplied in same finish)
- BT: Factory fitted into Burgess tile

## Size:

- Single tile replacer: 595 mm x 595 mm overall
- Double tile replacer: 1195 mm x 595 mm overall (standard)
- Other sizes available if required

## Finish:

- RAL9010 perforated fascia, matt black inside plenum box (standard)
- Polyester powder coated to RAL
- Polyester powder coated to BS



## Mass / Unit (595 x 595 O/A):

- 9 Kg

## Plenum Box Type:

- Top entry plenum box (standard)
- SEPB: Side entry plenum box

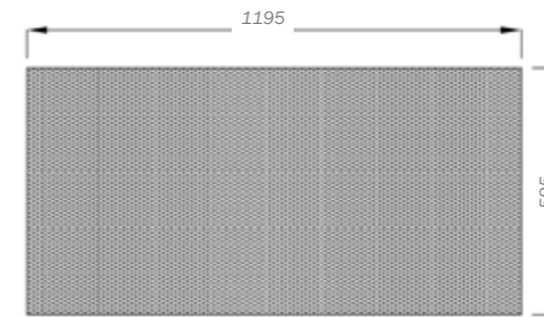
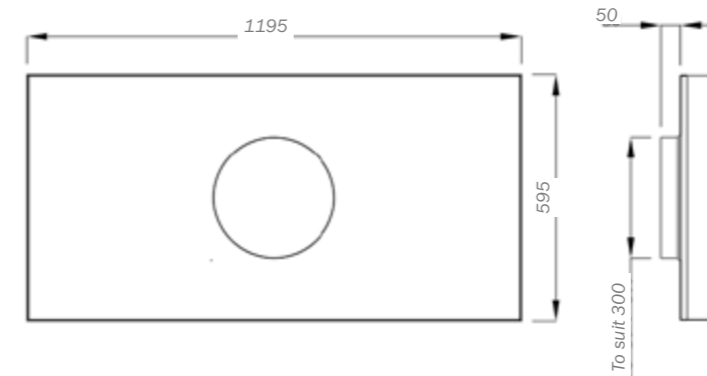
## Spigot Diameter:

- To suit 300 mm diameter ducting (standard)

## Spigot VCD:

- Single blade damper factory fitted into spigot

## Technical Drawings:



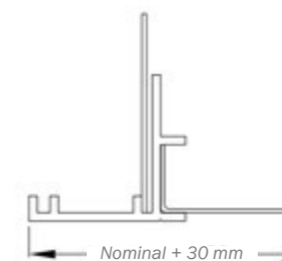
Selection data based on a standard double tile unit. Panel mounted 2.7 m above floor. Supply air 5° below room temperature.

Selection Data			
Air Volume (m³/s)	Velocity (m/s)	Sound Level (NC)	Pressure Loss (Pa)
0.05	0.077		2
0.75	0.105	20	6
0.10	0.152	25	9
0.13	0.185	35	15
0.15	0.230	38	22
0.18	0.272	42	29
0.20	0.305	44	43

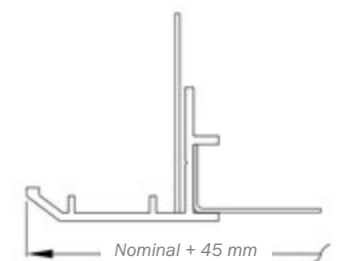
## Frames:




Standard (No frame)





With 30FE Frame




With 37BE Frame

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